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PROJECT DESCRIPTION

I. General

This portion of the project involves the installation of a temporary traffic control signal at the intersection of MD 100 and Executive Park Drive in Howard County, Maryland. The work shall be conducted in conjunction with the construction of MD 100. MD 100 is assumed to run in a east-west direction.

II. Intersection Operation

No change to the existing intersection operation is necessary.

III. Special Notes

1. The following contact persons for District #7 are as follows:

Mr. Robert Fisher  
District Engineer  
(301) 694-2145

Mr. John Concoannon  
Asst. District Engineer - Traffic  
(301) 694-2592

Mr. Jim Brown  
Utility Engineer  
(301) 694 - 2025

Mr. Richard Daff  
Chief, Traffic Operations Division  
(410)787-7630

Mr. Leon King  
Asst. District Engineer - Maintenance  
(301) 694-1966

2. Maintenance of traffic will be handled by the contractor utilizing the following standard plates for traffic control: 105.00, 105.01, 105.02, 105.03, 105.101, 105.103, 105.105, 105.107, 105.109.

EQUIPMENT LIST

A. Equipment to be supplied by the Administration and Installed by the Contractor

Item No.	Quantity	Units	Specification Section	Description
	2	EA	814	12 in. 1 way 3 section (R,YA,GA) optically programmed signal head - mast arm mount.
	4	EA	814	12 in. 1 way 3 section (R,Y,G) signal head - mast arm mount.
	87	SF	813	Sheet aluminum signs consisting of:
	1	EA		R3-5(L), (30 in. x 36 in.) "Only" left turn arrow sign - mast arm mount.
	1	EA		R3-5(R), (30 in. x 36 in.) "Only" right turn arrow sign - mast arm mount.
	2	EA		D3-2 (VAR. x 16 in.) "Executive Park Drive" sign - mast arm mount
	1	EA		M2-1 (21" x 15") "JCT" sign - ground mount
	1	EA		M1-6 (24" x 24") "MD 100" sign - ground mount
	1	EA		R10-6C, (36" x 60") "PROCEED ON FLASHING RED AFTER STOP" - mast arm mount.
	2	EA		R3-5a (MOD) (60" x 36") - direction arrows - ground mounted.

EQUIPMENT LIST

B. Equipment to be furnished and/or installed by the Contractor.

Item No.	Quantity	Units	Specification Section	Description
1	EA	206		Test pit excavation.
180	LF	555		Furnish and install 6 in. white preformed permanent pavement marking tape
75	LF	555		Furnish and install 12 in. white permanent preformed pavement marking tape.

EQUIPMENT LIST (continued)

B. Equipment to be furnished and/or installed by the Contractor.

Item No.	Quantity	Units	Specification Section	Description
70	LF	555		24 in. white permanent preformed pavement marking tape.
5.0	CY	801		Furnish and install concrete for signal pole foundation.
1	EA	804		Furnish and install 3/4" x 10 ft. ground rod.
515	LF	805		Furnish and install 2 in. schedule 40 rigid PVC conduit - Trenched.
205	LF	805		Furnish and install 3 in. schedule 80 rigid PVC conduit - Trenched
80	LF	sp/805		Furnish and install 3 in. schedule 80 rigid PVC conduit - slotted.
70	LF	805		Furnish and install 1 in. liquid tight flexible non-metallic conduit for detector wire sleeve.
1	EA	806		Furnish and install 250 Watt high pressure sodium lamp and luminaire with photo cell.
1960	LF	810		Furnish and install electrical cable - 2 conductor (Aluminum shielded).
60	LF	810		Furnish and install electrical cable - 5 conductor (No. 14 AWG).
830	LF	810		Furnish and install electrical cable - 7 conductor (No. 14 AWG).
2100	LF	810		Furnish and install loop wire encased in flexible tubing (No. 14 AWG).
450	LF	810		Furnish and install electrical cable 2 - conductor (No. 12 AWG) copper type T/C
7	EA	811		Furnish and install electrical handhole.
100	LF	812		Furnish and install wood sign support 4 in. x 4 in.
51	SF	813		Install overhead sign - for signals.
36	SF	813		Install ground mount sign.
6	EA	814		Install signal head - any type.
27	EA	SP.		Furnish and install Flex Post
570	LF	815		Furnish and install saw out for signal (loop detector).
1	EA	818		Furnish and install 20 ft. lighting arm on signal structure
1	EA	sp		Furnish and install 27 ft. steel pole with twin 70 ft./50 ft. mast arm. (Note: Four - 2 in. x 90 in. anchor bolts).

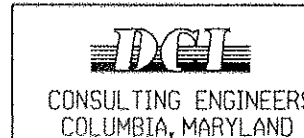
EQUIPMENT LIST (continued)

B. Equipment to be furnished and/or installed by the Contractor.

Item No.	Quantity	Units	Specification Section	Description
70	LF	SP.		Furnish and install 3 in. schedule 40 rigid PVC conduit - trenched
9	1	EA	SP.	Removal and disposal of existing traffic signal equipment.
9	1	EA	SP.	Remove and salvage of traffic signal equipment
9	1	EA	SP.	Delivery of salvaged traffic signal equipment consisting of:
	1	EA		Controller and Cabinet - base mount

F H W A REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			

SIG-5 TEMPORARY SIGNAL #2 PHASE IVB



REDLINE NO.9

DMP/DCI

DEPUTY CHIEF ENGINEER, OFFICE OF TRAFFIC

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION

ORIGINAL DRAWN BY ROB CICCHINI  
DES. BY S. CHERNACK / D. PETERS  
CHK. BY Bruce Thompson 11-7-96

MD 100 AT EXECUTIVE PARK DRIVE  
GENERAL INFORMATION SHEET 2 OF 2

DATE: 10/96 F.A.P. NO. SEE TITLE SHEET  
SCALE: S.H.A. NO. HO-661-502-770

TS/FILE NO. TS 3415 GI-1  
SHEET NO. 416 OF